

Fig. 1

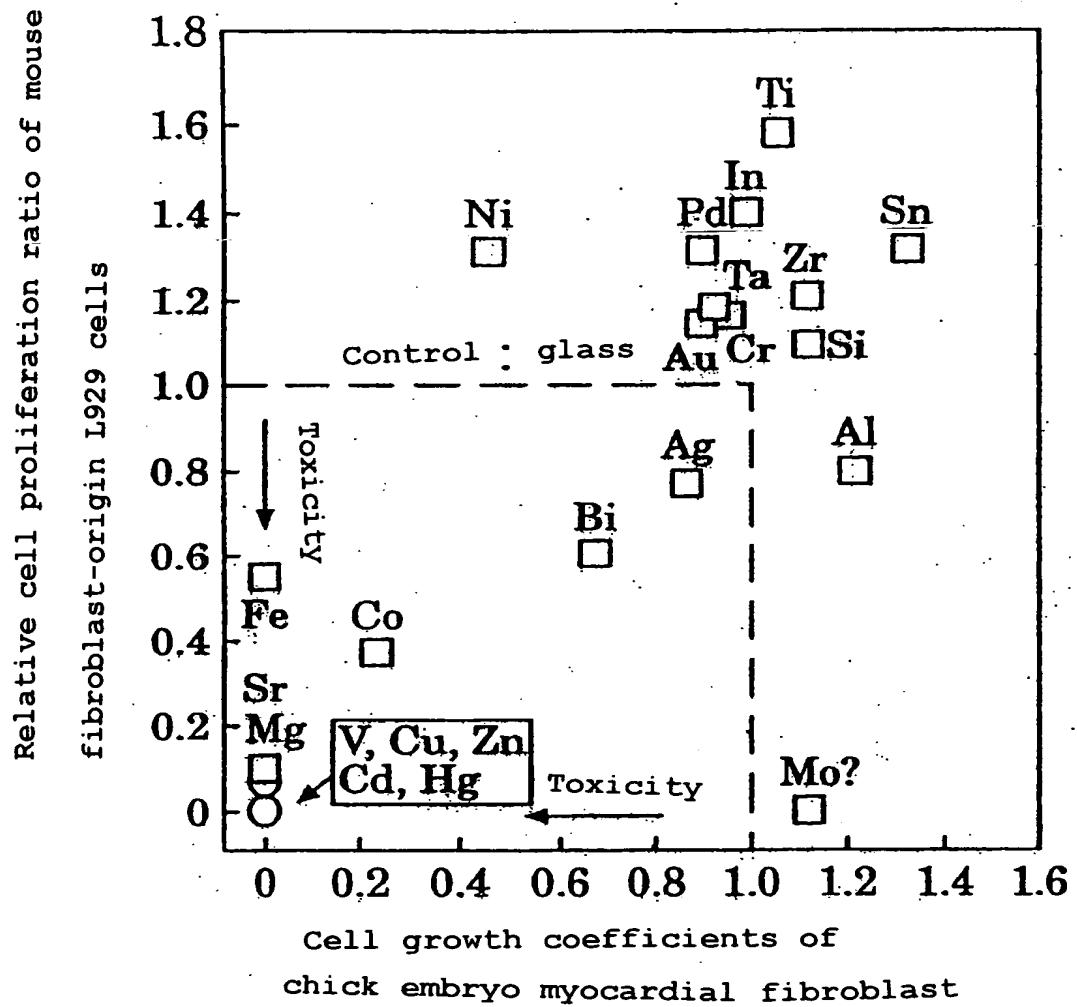


Fig. 2

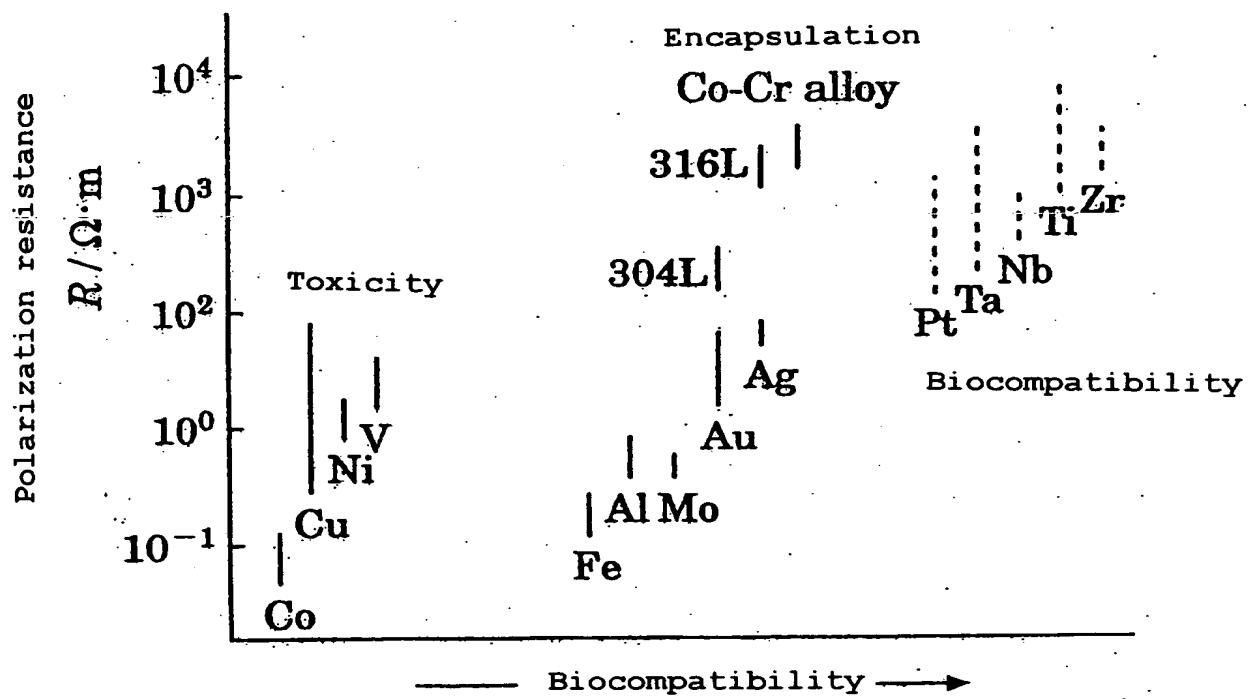
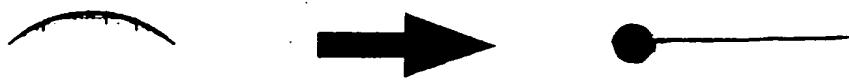


Fig. 3

Sample	Ti (at.%)	Nb (at.%)	Sn (at.%)
10Nb4Sn	86	10	4
10Nb5Sn	85	10	5
10Nb6Sn	84	10	6
12Nb3Sn	85	12	3
12Nb4Sn	84	12	4
12Nb5Sn	83	12	5
12Nb6Sn	82	12	6
12Nb7Sn	81	12	7
12Nb8Sn	80	12	8
14Nb3Sn	83	14	3
14Nb4Sn	82	14	4
14Nb5Sn	81	14	5
14Nb6Sn	80	14	6
14.5Nb3Sn	82.5	14.5	3
14.5Nb4Sn	81.5	14.5	4
14.5Nb5Sn	80.5	14.5	5
15Nb3Sn	82	15	3
15Nb4Sn	81	15	4
15Nb5Sn	80	15	5
15.5Nb3Sn	81.5	15.5	3
15.5Nb4Sn	80.5	15.5	4
15.5Nb5Sn	79.5	15.5	5
16Nb4Sn	80	16	4
16Nb5Sn	79	16	5
16Nb6Sn	78	16	6
17Nb4Sn	79	17	4
17.5Nb4Sn	78.5	17.5	4
18Nb4Sn	78	18	4
18Nb5Sn	77	18	5
18Nb6Sn	76	18	6
18.5Nb4Sn	77.5	18.5	4
19Nb4Sn	77	19	4
20Nb4Sn	76	20	4
20Nb6Sn	74	20	6

Fig. 4

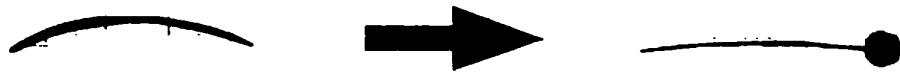
(a) 14Nb4Sn



(b) 16Nb4Sn



(c) 17Nb4Sn



Before heating

After heating

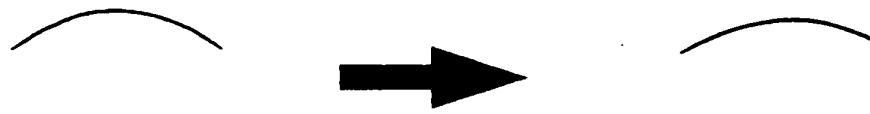
(a) 14Nb4Sn, (b) 16Nb4Sn, (c) 17Nb4Sn

Fig. 5

(d) 18Nb4Sn



(e) 20Nb4Sn



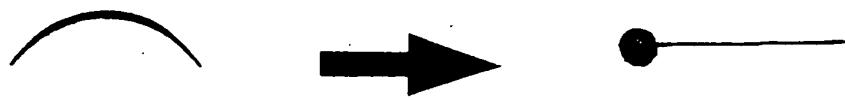
Before heating

After heating

Simplified bend test results

Fig. 6

(f) $12\text{Nb}4\text{Sn}$



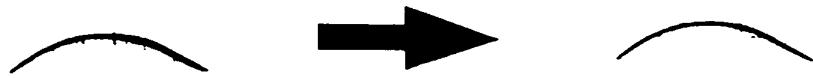
(g) $12\text{Nb}6\text{Sn}$



(h) $12\text{Nb}7\text{Sn}$



(i) $12\text{Nb}8\text{Sn}$



Before heating

After heating

Fig. 7

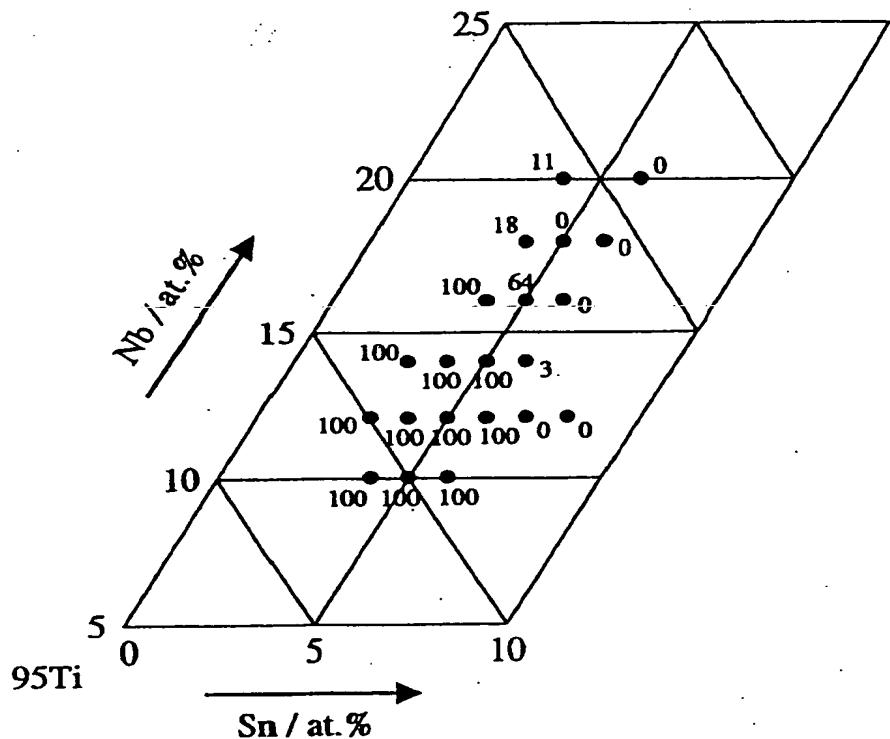
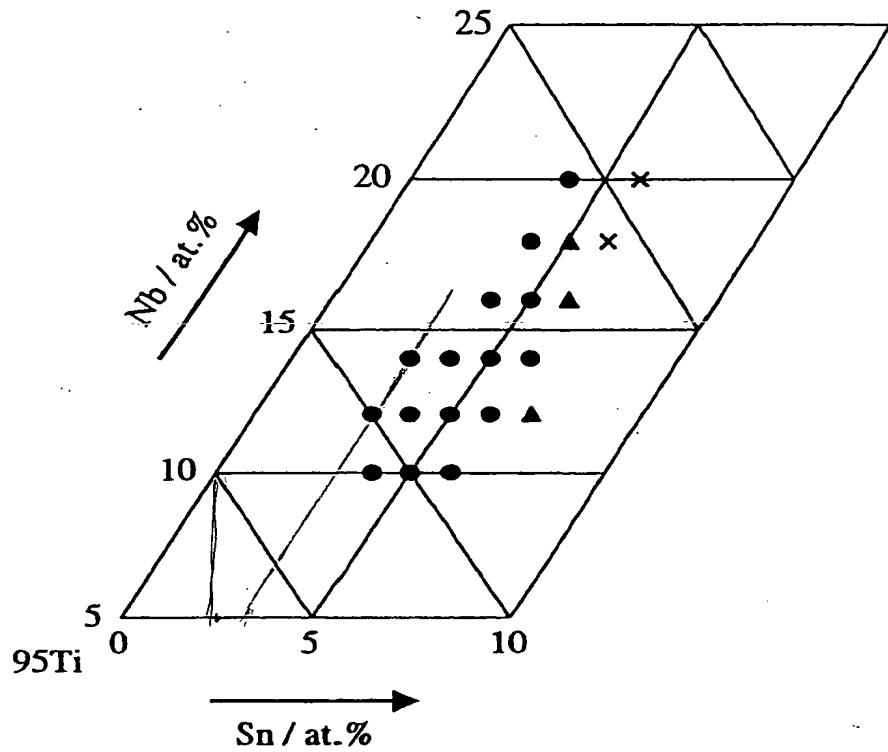


Fig. 8

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● : Recovery from deformation at room temperature

▲ : Recovery from deformation in liquid nitrogen

× : No recovery

Fig. 9

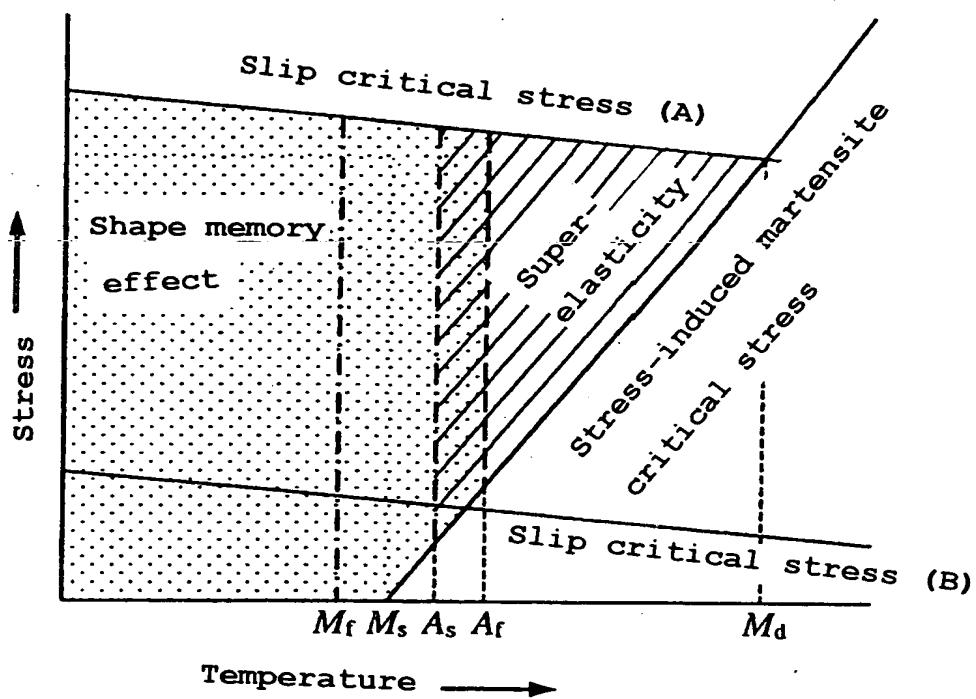


Fig. 10

